



"Sustainability thru Pollution Prevention"

Pollution Prevention Week **September 21-27, 2009**



Michigan Department of Environmental Quality

www.michigan.gov/deq

Jennifer M. Granholm, Governor

Steven E. Chester, Director

CONSTITUTION HALL • 525 WEST ALLEGAN STREET • P.O. BOX 30473 • LANSING, MICHIGAN 48909-7973
www.michigan.gov • (800) 662-9278



ANIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

Pollution Prevention Week
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An Invitation to Michigan's Businesses, Local Governments, and Citizens:

Thank you for taking the time to learn more about Pollution Prevention (P2) during National Pollution Prevention Week. We have prepared a number of materials, including this Pollution Prevention Week Planner, to help you consider ways to reduce, reuse, or recycle waste produced at your business, home, and in your community. We also have many business and industry programs to help motivate you or your organization to incorporate pollution prevention into your day-to-day work activities. Consider joining our Michigan Business Pollution Prevention Partnership – an excellent forum for networking and sharing pollution prevention strategies and technologies. To meet the needs of more specialized business sectors, we offer the Michigan Great Printers Project, the Agriculture Pollution Prevention Project, and the Marina Pollution Prevention Initiative, among others. Various other programs are designed to educate businesses and communities on waste reduction audits, mercury pollution prevention, green lodging, green building, environmentally preferred purchasing, energy efficiency, electronic recycling, etc. The Clean Corporate Citizen Program continues to grow, with over 120 businesses currently reaping the economic benefits and recognition of their efforts. You can explore these and other programs at our P2 website at www.michigan.gov/deqp2

Increasing program participation has been great, but it's equally important to remember is to encourage your business associates, neighbors, and local government to reduce, reuse, or recycle waste, as well. You're setting a good example – don't forget to let others know about your successes so that they can be inspired. By sharing your pollution prevention strategies with others, you are helping to sustain Michigan's environment and economic viability.

For additional information on Pollution Prevention Week or for ideas on how you can help to make a difference, please visit the michigan.gov/deq website, and type P2 Week in the "search" box, or contact the MDEQ's Environmental Assistance Center at 1-800-662-9278. Thank you for your interest in the environment, and remember "preventing pollution is the best solution!"

Thank you!

Marcia Horan, Chief
Pollution Prevention and Compliance Assistance Section
Environmental Science and Services Division
Michigan Department of Environmental Quality

Pollution Prevention Week

September 21-27, 2009

The State of Michigan invites you to be a part of Pollution Prevention (P2) Week, by incorporating activities into your daily routine that reduce, reuse and recycle waste. P2 Week is an opportunity for individuals, schools, communities and industries to show case or share ideas on how they reduce waste, are more efficient or reduce energy. Promoting P2 activities at home, work, or school helps to protect the local economy, improve health and reduce energy costs. For P2 ideas see the following pages or go to www.michigan.gov/deqp2initiatives and click on "P2 Week." Here you'll find links to the Governor's proclamations, legislative resolutions, P2 tips, environmental calendars, Sustainable Business Forums, and many other resources. The resources include lists of websites and documents for issues like education, energy efficiency, green building, landscaping, P2 sustainability, and more. (For more information on green building, visit: www.michigan.gov/deqconstruction .

The Governor as well as House and Senate representatives have supported P2 Week through Proclamation and Resolutions highlighting this as an opportunity for Michigan government, citizenry, and business to take actions that foster a prosperous and sustainable future. Over 650 businesses and corporations currently participate in voluntary pollution prevention partnerships and initiatives.

Try a few P2 activities during P2 Week this year and encourage your neighbors and colleagues to participate as well! If you are a business, join one or more of the DEQ's partnerships this week to learn more about how others in business are practicing pollution prevention. Contact the MDEQ, Environmental Assistance Center at 1-800-662-9278 if you have any questions or need additional information.

Michigan's Pollution Prevention Week slogan is:

"Sustainability thru Pollution Prevention"

Pollution Prevention...



The National Pollution Prevention Week Posters, such as the one on the left, may be ordered from the National Pollution Prevention Roundtable at (202) 299-9701 or www.p2.org/p2-week

Where Sustainable Practices Begin!



Pollution Prevention Week September 15-21, 2008

National Pollution Prevention Roundtable 11 DuPont Circle, NW Suite 201 Washington, DC 20036 (202)299-9701 www.p2.org
Go to our website to learn more about these sustainable practices!

NPPR would like to acknowledge ManagEnergy, The Intelligent Energy Europe Programme of the European Commission, and David Anderson for contributing their images.

Michigan State agencies are practicing P2 through several initiatives. Among these are: MDEQ is working with MDNR to identify P2 opportunities at the state parks; MDEQ and MDMB are reviewing state owned buildings to improve energy efficiencies; by Governor's Executive Directive, all State buildings will be built 'green'. MDEQ has taken this further by certifying our new buildings as 'green' with the US Green Building Council. All these efforts will save the state money.

Note: The DEQ Pollution Prevention (P2) Web site is at: www.michigan.gov/deqp2

Pollution Prevention (P2) Week

Activity Ideas

P2 Week activities can be as easy as publicizing P2 efforts that already exist in your community or organization. The type of activity you undertake is limited only by your imagination and energy!

Local Agencies/Government:

- ☺ Formally proclaim **P2 Week!** (see attached example) & Present awards.
- ☺ Hold brown bag lunch seminars on how to save energy – safe cleaning products – recycling – etc..

Businesses:

- ☺ Set up a mentoring program where experienced companies help others to do P2.
- ☺ Hold tours of clean, lean or green operations to show off what you've accomplished.
- ☺ Host a workshop on P2 for regulatory compliance and cost savings.
- ☺ Join the Michigan Department of Environmental Quality's (MDEQ's) [P2 Partnerships](#).
- ☺ Apply to the MDEQ for [Clean Corporate Citizenship](#).
- ☺ Request a Retired Engineer Technical Assistance Program ([RETAP](#)) audit – free, confidential advice for waste reduction and operational efficiency.

All Organizations:

- ☺ Host an event for staff and visitors including displays, workshops and other activities.
- ☺ Organize carpool or "Bike-to-Work" days.
- ☺ Support community recycling, household hazardous waste and other collections.
- ☺ Develop an [Environmental Management System](#) for your facility.
- ☺ Add environmentally preferable and low toxic materials into your purchasing procedures.
- ☺ Make your facilities "greener" through energy efficiency, green cleaning or water conservation.

Schools:

- ☺ Have students write and present a play, puppet show, or musical performance about P2.
- ☺ Organize an environmental art show consisting of art produced from recycled materials.
- ☺ Have students analyze ways your school can cut down on the amount of trash or food you throw away and make a list of all the possibilities. Establish a 'P2 Team' to implement workable ideas.
- ☺ Have students conduct energy or water-use audits within the school.
- ☺ Organize a field trip to a recycling/composting center or local treatment facility.
- ☺ Sponsor contest among various classes to: reduce paper waste, food waste, recycling, etc.
- ☺ Have students compile a list of items in their homes or school that are contain hazardous materials and identify non-toxic alternatives.
- ☺ Develop a bulletin board emphasizing things people can do to reduce air pollution, water, and energy use.
- ☺ Ask students to keep a diary for one day to detail their activities and to identify waste reduction alternatives for activities known to contribute to pollution; for example, walking to school rather than driving.
- ☺ Have students make a personal pledge to do one thing during **P2 Week** that will prevent pollution.
- ☺ Have a drawing at the end of *P2 Week* and award environmentally appropriate prizes to winners.

Additional Activities:

- ☺ Hold a celebratory breakfast for community and/or business spotlighting accomplishments. Consider a press release for the event.
- ☺ Have guest speakers on P2 practices available, or on those that they've used.
- ☺ Have a "Clean-up Day" for local natural and recreation areas.
- ☺ Provide an article for newsletters or local newspapers or radio service announcements focusing on a particular issue.
- ☺ Plan environmental workshops that focus on P2 during this week.

Year – Round P2 Tips

Gifting - Weddings, Showers

The following Web site allows folks to list non-material gifts --family favorite recipes, family photos, items for the event itself, etc. Even without the registry, this is a good idea for Christmas gifting. View the example registry, checklist for greening events and more. www.alternativegiftregistry.org

At Home:

- ☺ Use re-usable grocery and shopping bags!
- ☺ Measure your impact on climate change [Climate change calculator](http://www.nature.org/climatechange/calculator) (Nature.org)
- ☺ Install a programmable thermostat to turn down the heat or air conditioning at night.
- ☺ Drive carbon neutral or give it as a gift www.driveneutral.org/calculator www.terrapass.com
- ☺ Replace lights with energy saving compact fluorescents (CFLs) or LEDs. [Bright Idea](http://www.brightidea.com)
- ☺ Do not mow your lawn or fill your gas tank on Ozone Action Days.
- ☺ Minimize water use by purchasing efficient toilets, faucets, and shower heads.
- ☺ Use a household hazardous waste collection site to dispose of hazardous wastes such as batteries, cleaning fluids, paint thinners, and thermometers.
- ☺ Recycle!!! Recycle plastics, glass, aluminum, newspaper, used motor oil, tennis shoes, eye glasses, cell phones, electronic equipment, TVs, remodeling construction wastes...
- ☺ Purchase products with minimal packaging or are [Energy Star](http://www.energystar.gov) efficient.
- ☺ Use little or no fertilizer or pesticides, especially near lakes and streams.
- ☺ Buy local – local farmers, businesses, manufacturers (supports local economy and reduces fuel needs and transportation emissions)
- ☺ Increase the amount of insulation in your home to reduce heat loss and lower energy bills.
- ☺ Use your own reusable bags at the grocery store instead of paper or plastic.
- ☺ Determine your 'footprint' <http://ecofoot.org>

At Work:

- ☺ Carpool, bicycle, walk, or take public transportation to work. www.michigan.gov/mdot
- ☺ Start or support an office recycling program for paper, toner cartridges, etc.
- ☺ Look into the installation of energy saving lights, or add motion or light sensors.
- ☺ Seek business opportunities with other environmentally sound companies.
- ☺ Print on both sides of the paper to reduce paper use & filing cabinets needed.
- ☺ Use green, healthy, less toxic cleaning materials.
- ☺ Do a waste audit to reduce expenses Get a free audit by the [RETAP Program](http://www.retap.org)
- ☺ Join a Michigan [P2 Partnerships](http://www.p2partnerships.org) program.

At School:

- ☺ Install energy efficient or day lighting in the school.
- ☺ Perform a waste audit in the school.
- ☺ Maintain heaters, air conditioners, refrigerators, and other equipment to reduce the energy used.
- ☺ Print copies on both sides of each sheet of paper.
- ☺ Start or support a school recycling program.
- ☺ Use Biodiesel in the school buses. This reduces fuel needs and emission problems.
- ☺ Use washable dishes in the cafeteria.
- ☺ Have students analyze ways the school can cut down on the trash you throw away or energy you use and make a list of all the possibilities. Establish an Eco-Club consisting of students, teachers, and maintenance to implement actions.
- ☺ Purchase products with minimal packaging or are [Energy Star](http://www.energystar.gov) efficient.
- ☺ Use less toxic chemicals in the classroom [Mi Healthy Schools](http://www.mihealthyschools.org)

Pollution Prevention (P2) Week Sample Press Release

**[Business/local government/organization]
to Observe
National Pollution Prevention Week**

[Business/local government/organization] is pleased to announce its support and participation in Pollution Prevention (P2) Week, celebrated this year September (dates). This has been a national event celebrated annually since 1996. P2 is any method or activity that prevents, eliminates and/or minimizes the production of waste at its source, and includes environmentally sound reuse or recycling. P2 initiatives help to sustain our environment and economy.

This year, **[business/local government/organization]** has a number of P2 activities planned, including **[list of activities and schedules]**. "Pollution Prevention Week is a perfect opportunity to raise awareness and educate our community and employees about P2," said **[business/local government/organization official]**. "Reducing waste, and conserving water and energy helps everyone save money and protect the environment!"

For more information on pollution prevention, or what you can do to participate in P2 Week, please contact the **[business/local government/organization]** or call the Michigan Department of Environmental Quality (MDEQ), Environmental Assistance Center at 1-800-662-9278. P2 information is also available on the MDEQ's website, www.michigan.gov/deq. Just type "P2 Week" in the search field to access a wealth of information on pollution prevention.

"Sustainability thru Pollution Prevention"

Pollution Prevention (P2) Week Sample Proclamation

Pollution Prevention Week September (Date)

WHEREAS, the people of (city/county) of (city/county Name) value the area's natural resources and supports a clean and safe environment in which to raise our children; and

WHEREAS, the benefits of pollution prevention are well documented and achieved through eliminating waste at its source, or where this is not feasible, reducing, reusing and recycling; and

WHEREAS, pollution prevention can improve environmental conditions and thus the standard of living; protect the health and safety of workers; strengthen our community; and provide for our future; and

WHEREAS, pollution prevention can increase industrial and energy efficiency, and commercial competitiveness, and thus save businesses money; and help make the state become more environmentally, economically, and socially sound; and

WHEREAS, by focusing on pollution prevention, Michigan can meet the challenges of having healthy communities, clean watersheds, efficient government, competitive businesses; and

WHEREAS, Pollution Prevention Week is an opportunity for government to join forces with business, industry, environmental groups, community organizations, and the citizens of Michigan to ensure a prosperous and sustainable future;

THEREFORE, be it resolved that September (date), is Pollution Prevention Week and the (city/county) of (city/county Name) does hereby urge all community members and businesses of (city/county Name) to join in this observance and incorporate pollution prevention into our everyday activities.

Dated: _____
(City/County Elected Official)

Pollution Prevention (P2) Week Sample Resolution

In the matter of establishing Pollution Prevention as a Priority in the Use and Management of Hazardous Materials in the City/County of _____.

WHEREAS, The presence of hazardous materials, pollutants, and wastes in the City/County of _____ poses a potential threat to public health and safety through exposure to ourselves and our children or our air, water, or land; and

WHEREAS, Pollution prevention is a fundamental strategy to protect the environment and maintain the health and safety of workers in the workplace by stopping pollution before it occurs. Pollution prevention can benefit businesses by increasing industrial efficiency through process and material waste reduction, thereby saving businesses time and money.

WHEREAS, With a proactive approach to pollution prevention, Michigan can meet the challenges of having both a sustainable environment and healthy economy for its citizens and businesses; and

WHEREAS, Pollution prevention is a means to promote environmental stewardship which improves our communities and protects our natural resources for future generations; and

WHEREAS, Pollution Prevention Week is an opportunity to join together for a clean and vibrant Michigan by taking action to reduce waste at its source or, where this is not feasible, identify opportunities to reuse and recycle; therefore, be it

RESOLVED That it is the policy of the City/County of _____ to encourage and promote practices and technologies that will, in order of priority:

First, prevent the generation of pollutants at the source by eliminating or reducing the use of hazardous substances;

Second, recover and recycle wastes for reuse; and

Third, handle the wastes that cannot be reduced or recycled so that the environment and community health are not threatened by their management and ultimate disposal.